MONITORING EQA PERFORMANCE

RANDOX QUALITY CONTROL

Laboratory: .....
Cycle Number: .....
Analysis Date: .....
Mean for Comparison: .....

Programme: .....
Sample Number: .....
Analyte: .....
Lab Result: ..... **SDI:** ..... **%Dev:** .....

1. Specimen Handling

	YES	NO
a. Samples received in good condition	○	○
b. Samples stored/prepared appropriately	○	○
c. Integrity of the sample is acceptable	○	○

2. Clerical

	YES	NO
a. Correct result entered	○	○
b. Correct use of decimal point and units	○	○
c. Calculations, if any, performed correctly (even if automated)	○	○
d. Conversion factors applied to results before submission	○	○

3. Registration and Mean for Comparison

	YES	NO
a. Registered in the correct method/instrument group	○	○
b. Changed method or instrument without advising RIQAS	○	○
c. Mean for comparison changed due to the number of participants returning results e.g. from method to instrument	○	○
d. An obvious bias between method and instrument means (check histogram and stats sections)	○	○

4. Internal Quality Control

	YES	NO
a. %Deviation of IQC (at similar conc to that of EQA) on sample analysis date acceptable	○	○
b. Shift in IQC in the periods just before and after EQA sample analysis	○	○
c. Trends in IQC in the periods before and after EQA sample analysis	○	○
d. Random IQC variation on sample analysis date	○	○
e. Error due to imprecision; check IQC in terms of %Deviation compared to deviation observed in EQA	○	○
f. IQC target correctly assigned	○	○

5. Calibration

	YES	NO
a. Date of last calibration		
b. Calibration frequency acceptable	○	○
c. Last calibration acceptable	○	○

6. Instrument

	YES	NO
a. Daily maintenance performed on date of sample analysis	○	○
b. Special maintenance performed prior to sample analysis	○	○
c. Instrument operated correctly	○	○
d. Operator fully trained	○	○

7. Reagents

	YES	NO
a. Reagents prepared and stored correctly	○	○
b. Reagents within open vial stability	○	○

8. EQA sample

	YES	NO
a. Initial value		
b. Re-run value		
c. Issue observed in previous EQA samples at a similar concentration (check %Deviation by concentration and Levey Jennings charts)	○	○
d. All parameters affected (to the same extent) - possible reconstitution error (check %Deviation on summary pages)	○	○

Conclusion: .....
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Remedial Action: .....
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Lab Manager: ..... **Date:** .....

Lab Director: ..... **Date:** .....

RIQAS

Randox Laboratories Ltd, 55 Diamond Road, Crumlin, County Antrim, BT29 4QY, United Kingdom
☎ +44 (0) 28 9442 2413 🖷 +44 (0) 28 9445 2912 ✉ mail@riqas.com riqas.com